

Amendments to the Claims

1. (Currently Amended): A system for transforming a document from a first format to a different second format, said document being encoded in a language including presentation style determination attributes, comprising:

a source of transformation parameters determining a desired presentation style and content structure of an output document;

an input document processor for transforming a received input document in a first format by parsing said input document and collating elements of said input document into a hierarchically ordered structure representing an intermediate document structure; ~~and~~

a transformation processor for transforming said intermediate document structure into ~~an~~ the output document with said desired presentation style of a second format in response to said transformation parameters; and

a preprocessor for resolving conflicts arising due to said transformation parameters in accordance with predetermined conflict resolution rules and wherein said transformation processor transforms said intermediate document structure into said output document with said desired presentation style of said second format in response to transformation parameters processed in accordance with said conflict resolution rules.

2. (Cancelled).

3. (Original): A system according to claim 1, including
a preprocessor for correcting errors in at least one of, (a) said input document, and
(b) said transformation parameters.

4.(Original): A system according to claim 1, including
a filter for excluding undesired information from said output document.

5. (Original): A system according to claim 1, including
a sorting processor for grouping selected elements of said input document into a
desired arrangement in said output document.

6. (Original): A system according to claim 1, wherein
said input document and said output document are different and comprise one or more of, (a) an SGML document, (b) an XML document, (c) an HTML document (d) a document encoded in a language incorporating distinct content attributes and presentation attributes, and (e) a multimedia file.

7. (Original): A system according to claim 6, wherein
said transformation parameters identify input document type and output document type.

8. (Original): A system according to claim 1, wherein
said source of transformation parameters comprises an SGML document.

9. (Original): A system according to claim 1, wherein
said transformation processor transforms said intermediate document structure into said output document with said desired presentation style by performing at least one of, (a) a reordering operation, (b) a splitting operation, (c) a merging operation and (d) a truncating operation, on content elements of said intermediate document structure.

10. (Original): A system according to claim 1, wherein
said transformation processor transforms said intermediate document structure into said output document by,
adopting said desired presentation style determining a display page layout and allocating content of said intermediate document structure between successive pages in accordance with said determined display page style.

11. (Original): A system according to claim 1, wherein
said transformation parameters include transformation rules constraining how said transformation processor transforms said intermediate document structure into said output document.

12. (Original): A system according to claim 11, wherein said transformation rules map elements of said intermediate document structure to occupy nodes in a hierarchical tree structure allocated to said output document.

13. (Original): A system according to claim 1, including a management processor for determining said transformation parameters in response to input data including, (a) identification of input document type and (b) identification of output document type including desired presentation style.

14. (Original): A system according to claim 1, wherein said transformation parameters include at least two of, (a) a page layout size, (b) number of characters per line, (c) number of lines per page, (d) font type and size, (e) heading allocation definition, (f) a scroll or non-scroll selection parameter, and (g) graphics layout definition.

15. (Withdrawn).

16. (Withdrawn).

17. (Withdrawn).

18. (Withdrawn).

19. (Currently Amended): An adaptive processing system for converting a document from a first format to a selectable different second format for presentation on a display device, said document being encoded in a language including presentation style determination attributes, comprising:

a management processor (a) for receiving user-provided input data selecting a second format from a plurality of selectable formats for presentation on a display device,

and (b) for receiving user-provided transformation parameters determining a desired presentation layout and content structure;

~~a management processor for determining transformation parameters in response to input data identifying a selected second format for presentation on a display device;~~

an input document processor for processing a received input document in a first format by parsing said input document and collating elements of said input document;
and

a conversion processor for converting said collated elements into an output document with said selected second format in response to said ~~determined~~ transformation parameters.

20. (Original): An adaptive processing system according to claim 19, wherein said conversion processor converts said parsed and collated elements into an output document with said selected second format for presentation on at least one display device from, (a) a mobile or non-mobile phone, (b) a personal data assistant device, (c) a PC, (d) a TV (e) another processing device.

21. (Original): An adaptive processing system according to claim 19, wherein said selected second format is selected from at least one of, (a) different display resolution formats and (b) a scrolling format and (c) a non-scrolling format.

22. (Currently Amended): A method for converting a document from a first format to a different second format, said document being encoded in a language including presentation style determination attributes, comprising the steps of:

receiving transformation parameters determining a desired presentation style and content structure of an output document;

resolving conflicts arising due to said transformation parameters in accordance with predetermined conflict resolution rules to produce compatible transformation parameters;

processing a received input document in a first format by parsing said input document and collating elements of said input document; and

converting said collated elements into ~~an~~the output document with said desired presentation style of a second format in response to said compatible transformation parameters.

23. (Original): A method according to claim 22, wherein said converting step includes the step of

adopting a desired presentation style determining a display page layout; and including the step of

allocating said collated elements between successive pages in accordance with said determined display page layout.

24. (Currently Amended): A method for converting a document from a first format to a different second format, said document being encoded in a language including presentation layout determination attributes, comprising the steps of:

receiving a user-provided input document in a first format;

receiving a user-selected second format from a plurality of selectable formats;

receiving a user-selected template document from a plurality of selectable template documents;

receiving user-provided transformation parameters corresponding to the template document, the transformation parameters determining a desired presentation layout and content structure;

processing ~~a~~the received input document in ~~a~~the first format by parsing said input document and collating elements of said input document into a hierarchically ordered structure representing an intermediate document structure; and

converting said intermediate document structure into ~~an~~the output document of the second format, the output document with said desired presentation layout and content structure of a second format in response~~corresponding to said template document and~~ said transformation parameters.

26 (Original): A method according to claim 24, wherein said converting step includes the step of

applying transformation rules mapping elements of said intermediate document structure to occupy locations allocated within said output document.